

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference cv-0275 PCT	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/EP 99/03951	International filing date (day/month/year) 07/06/1999	(Earliest) Priority Date (day/month/year) 09/06/1998
Applicant BRISTOL-MYERS SQUIBB COMPANY et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 2 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

National Application No.

PCT/EP 99/03951

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 A61L15/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 949 742 A (NOWAKOWSKI BOGDAN) 13 April 1976 (1976-04-13) the whole document	1-4,6-8
X	US 4 767 619 A (MURRAY DOUGLAS G) 30 August 1988 (1988-08-30) column 2, line 17 - line 34 column 3, line 19 - column 4, line 57	1-4,6-8
X	US 3 491 760 A (BRAUN BERNHARD ET AL) 27 January 1970 (1970-01-27) the whole document	1-4,6-8
A	WO 94 16746 A (COURTAULDS PLC ;BAHIA HARDEV SINGH (GB); BURROW THOMAS RICHARD (GB) 4 August 1994 (1994-08-04) cited in the application claim 1	1,4,5

☐

Further documents are listed in the continuation of box C.

☒

Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

29 October 1999

Date of mailing of the international search report

09/11/1999

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
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Authorized officer

Heck, G

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 99/03951

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3949742	A	13-04-1976	NONE	
US 4767619	A	30-08-1988	CA 1176932 A CA 1180622 A	30-10-1984 08-01-1985
US 3491760	A	27-01-1970	CH 482445 A DE 1492300 A	15-12-1969 11-12-1969
WO 9416746	A	04-08-1994	AT 164523 T AU 680863 B AU 5863394 A BR 9406261 A CA 2154473 A CZ 9501827 A DE 69409363 D DE 69409363 T EP 0680344 A ES 2115929 T JP 8505790 T NZ 259734 A SK 92695 A	15-04-1998 14-08-1997 15-08-1994 30-01-1996 04-08-1994 17-01-1996 07-05-1998 08-10-1998 08-11-1995 01-07-1998 25-06-1996 27-07-1997 07-02-1996

(PCT Rule 61.2)

To:

Assistant Commissioner for Patents
United States Patent and Trademark
Office
Box PCT
Washington, D.C.20231
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

29 March 2000 (29.03.00)

PCT/EP99/03951

cv-0275 PCT

07 June 1999 (07.06.99)

09 June 1998 (09.06.98)

KREIS, Robert, Walter et al

- ☒ in the demand filed with the International Preliminary Examining Authority on:

07 January 2000 (07.01.00)

- ☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was

☐ was not

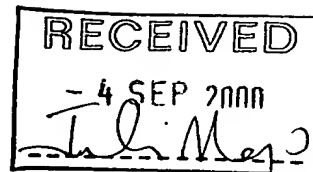
made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

Facsimile No.: (41-22) 740.14.35

S. De Michiel

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY



From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

PCT

To:

Mays, Julie
BRISTOL-MYERS COMPANY LIMITED
Patent Department
Swakeleys House
Milton Road Ickenham
Uxbridge UB10 8NS
GRANDE BRETAGNE

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT (PCT Rule 71.1)

Date of mailing (day/month/year)	30.08.2000
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Applicant's or agent's file reference
cv-0275 PCT

IMPORTANT NOTIFICATION

International application No. PCT/EP99/03951	International filing date (day/month/year) 07/06/1999	Priority date (day/month/year) 09/06/1998
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Applicant
BRISTOL-MYERS SQUIBB COMPANY et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

<p>Name and mailing address of the IPEA/</p> <div style="display: flex; align-items: center;"> <div> <p>European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465</p> </div> </div>	<p>Authorized officer</p> <p>Christensen, J</p> <p>Tel. +49 89 2399-8052</p>
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PATENT COOPERATION TREATY

PCT

REC'D 04 SEP 2000

WIPO PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference cv-0275 PCT	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP99/03951	International filing date (day/month/year) 07/06/1999	Priority date (day/month/year) 09/06/1998
International Patent Classification (IPC) or national classification and IPC A61L15/28		
Applicant BRISTOL-MYERS SQUIBB COMPANY et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.



2. This REPORT consists of a total of 4 sheets, including this cover sheet.

- ☒ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 2 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 07/01/2000	Date of completion of this report 30.08.2000
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Greif, G Telephone No. +49 89 2399 8659 

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/EP99/03951

I. Basis of the report

1. This report has been drawn on the basis of (*substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.*):

Description, pages:

1-9 as originally filed

Claims, No.:

1-8 as received on 10/07/2000 with letter of 06/07/2000

2. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
☐ the claims, Nos.:
☐ the drawings, sheets:

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

4. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims
	No:	Claims 1-8
Inventive step (IS)	Yes:	Claims
	No:	Claims 1-8
Industrial applicability (IA)	Yes:	Claims 1-8
	No:	Claims

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/EP99/03951

2. Citations and explanations

see separate sheet

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Reference is made to the following documents:
D1: WO 94 16746 A
2. **D1** describes a wound dressing suitable for the treatment of traumatic, surgical and chronic wounds, for example donor graft sites (p. 13, lines 3-9). The dressing consists of carboxymethyl cellulose filaments (claim 1), capable of absorbing more than 25g/g of fluid (examples 2 and 3), capable of absorbing wound exudate when applied to the wound (p.12, lines 25-31; claims 19 and 20) thereby forming a transparent gel (page 3, lines 34-36; p. 12, lines 25-27) but still retaining enough fibrous character to be removed as a coherent dressing from the wound (claim 20). The subject-matter of claims 1-3 and 6-8 of the present application is hereby fully anticipated by **D1**, and therefore claims 1-3 and 6-8 do not meet the requirements of the PCT in respect of novelty and inventive step.
Since the wound dressing disclosed in **D1** contains the same technical features as the wound dressing disclosed in claims 4 and 5, the subject-matter of claims 4 and 5 is therefore inherently disclosed in **D1**. Consequently, claims 4 and 5 cannot be considered novel and inventive either.
3. Claims 1-8 of the present application fulfill the requirements of the PCT with respect to industrial applicability.

Claims

- 1) Use of a wound dressing for the preparation of a substitute for a biological dressing for use in the treatment of acute wounds requiring the use of a biological dressing, the wound dressing comprising highly absorbent fibres.
- 2) Use of a wound dressing for the preparation of a substitute for allograft skin for use in the treatment of acute wounds requiring the use of allograft skin, the wound dressing comprising highly absorbent fibres.
- 3) Use of a wound dressing for the preparation of an adherent temporary cover for use in the treatment of acute wounds requiring a temporary cover, the wound dressing comprising highly absorbent fibres.
- 4) Use of a wound dressing for the preparation of a substitute for a biological dressing for use in the treatment of acute wounds by adhering to the wound and providing conditions conducive to epithelial outgrowth, the wound dressing comprising highly absorbent fibres.
- 5) Use of a wound dressing for the preparation of a substitute for a biological dressing for use in the treatment of acute wounds by promoting vertical wicking into the dressing, thereby modulating inflammatory response, the wound dressing comprising highly absorbent fibres.

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- 6) A wound dressing for use in the treatment of burns which promotes vertical wicking into the dressing and thereby modulates inflammatory response, the wound dressing comprising highly absorbent fibres.
- 7) Use of a wound dressing as claimed in any preceding claim, the wound dressing comprising fibres that can absorb at least 25g/g of deionized water.
- 8) Use of a wound dressing as claimed in claim 6 wherein the fibres are modified cellulose fibres.

Claims

- 1) Use of a wound dressing for the preparation of a substitute for a biological dressing for use in the treatment of acute wounds.
- 2) Use of a wound dressing for the preparation of a substitute for allograft skin for use in the treatment of acute wounds.
- 3) Use of a wound dressing in the preparation of an adherent temporary cover for use in the treatment of acute wounds.
- 4) Use of a wound dressing as claimed in any preceding claim wherein the wound dressing is fibrous.
- 5) Use of a wound dressing as claimed in claim 4 wherein the wound dressing comprises fibres of carboxymethyl cellulose.
- 6) Use of a wound dressing for the preparation of a substitute for a biological dressing for use in the treatment of acute wounds by adhering to the wound and providing conditions conducive to epithelial outgrowth.
- 7) Use of a wound dressing for the preparation of a substitute for a biological dressing for use in the treatment of acute wounds by promoting vertical wicking into the dressing, thereby modulating inflammatory response.

REPLACE BY 44734

8. A wound dressing for use in the treatment of burns which promotes vertical wicking into the dressing and thereby modulates inflammatory response.